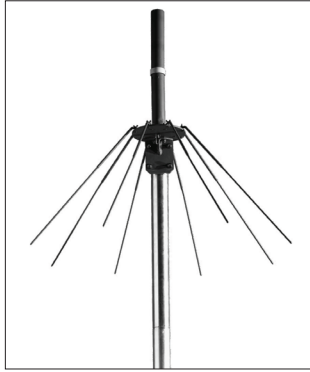


# TACO



## COAX-STUB ANTENNA

- Models F11 and AS-390/SRC

The F11 and AS-390/SRC are vertically polarized broadband coaxial stub antennas designed for the VHF and UHF communications band. Both have been designed to withstand the most severe weather conditions. Protection from lightning is provided by grounding the top section of the stub through the stainless steel tie rod to the antenna ground plane.

### SPECIFICATIONS

#### ELECTRICAL

| MODEL                 | F11 (VHF)                          | AS-390/SRC (UHF)                   |
|-----------------------|------------------------------------|------------------------------------|
| FREQUENCY RANGE       | 108-174 MHz                        | 225-400 MHz                        |
| GAIN (dBi)            | 2.0 (+0 / -1)                      | 2.0 (+0 / -1)                      |
| VSWR (NOM.)           | Under 2:1                          | Under 2:1                          |
| POLARIZATION          | Vertical                           | Vertical                           |
| CROSS POL REJECTION   | 20 dB                              | 20 dB                              |
| HORIZONTAL PATTERN    | Omni Directional within 0.5 dB     | Omni Directional within 0.5 dB     |
| VERTICAL PATTERN      | 95° ± 15° (depending on frequency) | 95° ± 15° (depending on frequency) |
| IMPEDANCE             | 50 Ohms                            | 50 Ohms                            |
| TERMINAL TYPE         | N Female                           | N Female                           |
| POWER RATING          | 400 Watts at 170 MHz               | 200 Watts at 400 MHz               |
|                       | 500 Watts at 132 MHz               |                                    |
| OPERATING TEMPERATURE | -40 C to +80 C                     | -40 C to +80 C                     |
|                       | (-40 F to 176 F)                   |                                    |

#### MECHANICAL

| MODEL          | F11 (VHF)     | AS-390/SRC (UHF) |
|----------------|---------------|------------------|
| OVERALL HEIGHT | 40 inches     | 16 inches        |
| STUB HEIGHT    | 22.375 inches | 9.625 inches     |
| SKIRT DIAMETER | 43 inches     | 23 inches        |
| WEIGHT         | 6.22 lbs      | 3.75 lbs         |

#### WIND LOADING

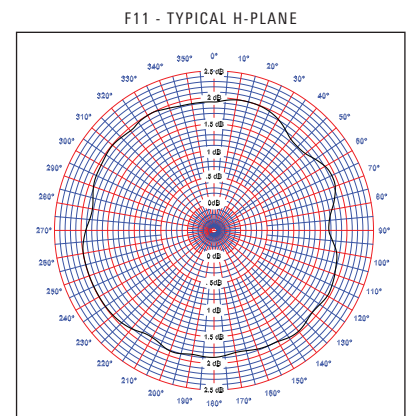
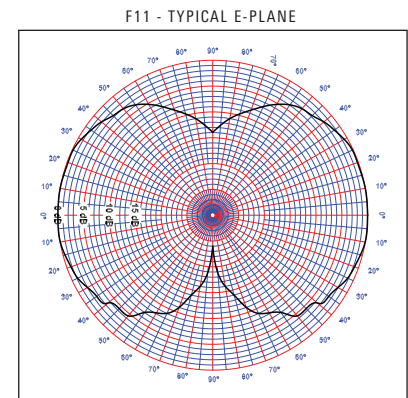
| MODEL               | F11 (VHF)            | AS-390/SRC (UHF) |
|---------------------|----------------------|------------------|
| WIND AREA (NO ICE)  | 0.49 SQ FT           | 0.20 SQ FT       |
|                     | (1/2" RADIAL ICE)    | 1.14 SQ FT       |
| WIND LOAD *(NO ICE) | 29.5 FT-LBS          | 6.0 FT-LBS       |
|                     | ** (1/2" RADIAL ICE) | 19.7 FT-LBS      |
| SURVIVAL RATING     |                      |                  |
|                     | *** (NO ICE)         | 335 M.P.H.       |

\* Wind Speed = 100 MPH at sea level with 100% Humidity at 70° Fahrenheit.

\*\* Wind Speed = 50 MPH at sea level with 100% Humidity at 0° Fahrenheit.

\*\*\* Maximum Wind Speed at sea level with 100% Humidity at 70° Fahrenheit. Safety Factor of 1.65 included.

### ANTENNA PATTERNS



TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

#### US AND INTERNATIONAL SALES

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